

OMB APPROVAL	
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**INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>Lundbeckfond Invest A/S</u>  (Last) (First) (Middle) <u>SCHERFIGSVEJ 7</u>  (Street) <u>COPENHAGEN G7 DK-2100</u>  (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) <u>11/02/2023</u>	3. Issuer Name and Ticker or Trading Symbol <u>Lexeo Therapeutics, Inc. [ LXEO ]</u>	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable)  Director <input checked="" type="checkbox"/> 10% Owner  Officer (give title below) Other (specify below)	5. If Amendment, Date of Original Filed (Month/Day/Year)  6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person

**Table I - Non-Derivative Securities Beneficially Owned**

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
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**Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of Derivative Security	5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			
Series A convertible preferred stock	(1)	(1)	Common Stock	1,321,474	(1)	D	
Series B convertible preferred stock	(2)	(2)	Common Stock	246,883 <sup>(2)</sup>	(2)	D	

**Explanation of Responses:**

- Each share of Series A convertible preferred stock is convertible into Common Stock on a 1-for-10.594230 basis at any time at the Reporting Person's election, and automatically upon the closing of the Issuer's initial public offering without payment or further consideration. The shares have no expiration date.
- Each share of Series B convertible preferred stock is convertible into Common Stock on a 1-for-10.594230 basis at any time at the Reporting Person's election, and automatically upon the closing of the Issuer's initial public offering without payment or further consideration. Excludes shares of Common Stock issuable upon the closing of the Issuer's initial public offering pursuant to anti-dilution adjustment provisions of the Series B convertible preferred stock. The shares have no expiration date.

**Remarks:**

/s/ Christian E. Elling,  
Managing Partner and /s/ 11/02/2023  
Lene Skole, CEO

\*\* Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

\* If the form is filed by more than one reporting person, see Instruction 5 (b)(v).

\*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.